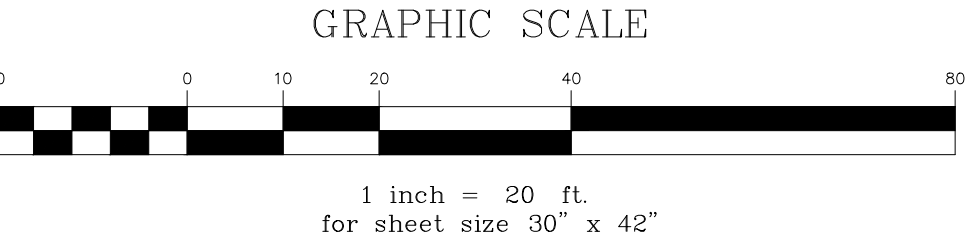


LEGEND

- PROPERTY LINE
- EDGE OF PAVEMENT/CURB
- MINOR CONTOUR
- MAJOR CONTOUR
- WATERLINE/GATE VALVE/HYDRANT
- SANITARY SEWER LINE/MANHOLE
- STORM LINE/CATCH BASIN/MANHOLE
- ROOF DRAIN LINE
- NATURAL GAS LINE/VALVE
- UNDERGROUND COMMUNICATIONS

SURVEY NOTES

- PROPERTY IS TAX MAP PARCEL ID 053-2-011-000. THE PHYSICAL ADDRESS OF THE PROPERTY IS 32, 44 & 50 LAKESIDE AVENUE, BURLINGTON, VERMONT 05401.
- EXISTING PHYSICAL FEATURES AND TOPOGRAPHY DEPICTED ON THIS PLAN HAS BEEN COLLECTED FROM A VARIETY OF SOURCES INCLUDING THE FOLLOWING:
  - A SURVEY TITLED "EXISTING CONDITIONS PLAN, BLODGETT CAMPUS, LAKESIDE AVENUE, BURLINGTON, VERMONT", PREPARED BY KREBS AND LANSING CONSULTING ENGINEERS, INC., DATED APRIL 16, 2018.
  - DESIGN INFORMATION & LIMITED UTILITY AS BUILT INFORMATION FROM 2019 WORK RELATED TO BUILDING 44 & BUILDING 50 IMPROVEMENTS.
- THIS PLAN IS NOT A BOUNDARY SURVEY. PROPERTY LINES AND EASEMENTS DEPICTED ON THIS PLAN ARE BASED ON A PLAT ENTITLED, "PLAT OF RESURVEY, LAKESIDE OVENS, LLC, 44 & 50 LAKESIDE AVENUE, CITY OF BURLINGTON, VERMONT", PREPARED BY CIVIL ENGINEERING ASSOCIATES. THE PLAT IS RECORDED IN BOOK 0539C PAGE 539 OF THE CITY OF BURLINGTON LAND RECORDS.
- UTILITIES SHOWN DO NOT PURPORT TO CONSTITUTE OR REPRESENT ALL UTILITIES LOCATED UPON OR ADJACENT TO THE SURVEYED PREMISES. EXISTING UTILITIES SHOWN ON PLANS WERE TAKEN FROM FIELD OBSERVATIONS OF VISIBLE UTILITIES AND ARE NOT GUARANTEED TO BE ACCURATE OR COMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING UTILITY LOCATIONS PRIOR TO COMMENCING WORK. NOTIFY ENGINEER OF ANY DISCREPANCY BETWEEN UTILITIES AS SHOWN AND AS FOUND. THE CONTRACTOR SHALL CONTACT DIG SAFE (811 or 888-344-7233) A MINIMUM OF 72 HOURS, BUT NOT INCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, PRIOR TO ANY CONSTRUCTION.
- NORTH ORIENTATION IS REFERENCED TO APPROXIMATE VERMONT GRID NORTH DERIVED FROM GPS READINGS OBSERVED BY OTHERS.
- ELEVATIONS ARE REFERENCED TO APPROXIMATE NAVD 88 DERIVED FROM GPS READINGS OBSERVED BY OTHERS.



SMITH  
ALVAREZ  
SIENKIEWYCZ  
ARCHITECTS  
117 St. Paul Street  
3rd Floor  
Burlington, VT  
05401

P: 802-863-2227  
F: 802-863-0093

CONSULTANTS  
**CIVIL**  
ENGINEERING VENTURES  
208 FLYNN AVE, SUITE 2A  
BURLINGTON, VT 05401  
P: 802-863-6225  
F: 802-863-6306  
**LANDSCAPE**  
DISTINCTIVE LANDSCAPING  
211 GREENBUSH ROAD  
CHARLOTTE, VT 05445  
P: 802-425-2877  
F: 802-425-2797

**STRUCTURAL**  
ARTISAN ENGINEERING  
120 GRAHAM WAY, SUITE 124  
SHELBURNE, VT 05482  
P: 802-455-1753  
F: 802-455-7628

**MECHANICAL/ELECTRICAL**  
LN CONSULTING  
PO BOX 65178  
BURLINGTON, VT 05406-5178  
P: 802-455-1753  
F: 802-455-7628

SAS PROJECT NUMBER: 0917

PROJECT

HULA  
•  
BUILDING 32  
•  
32 LAKESIDE AVE  
BURLINGTON, VT

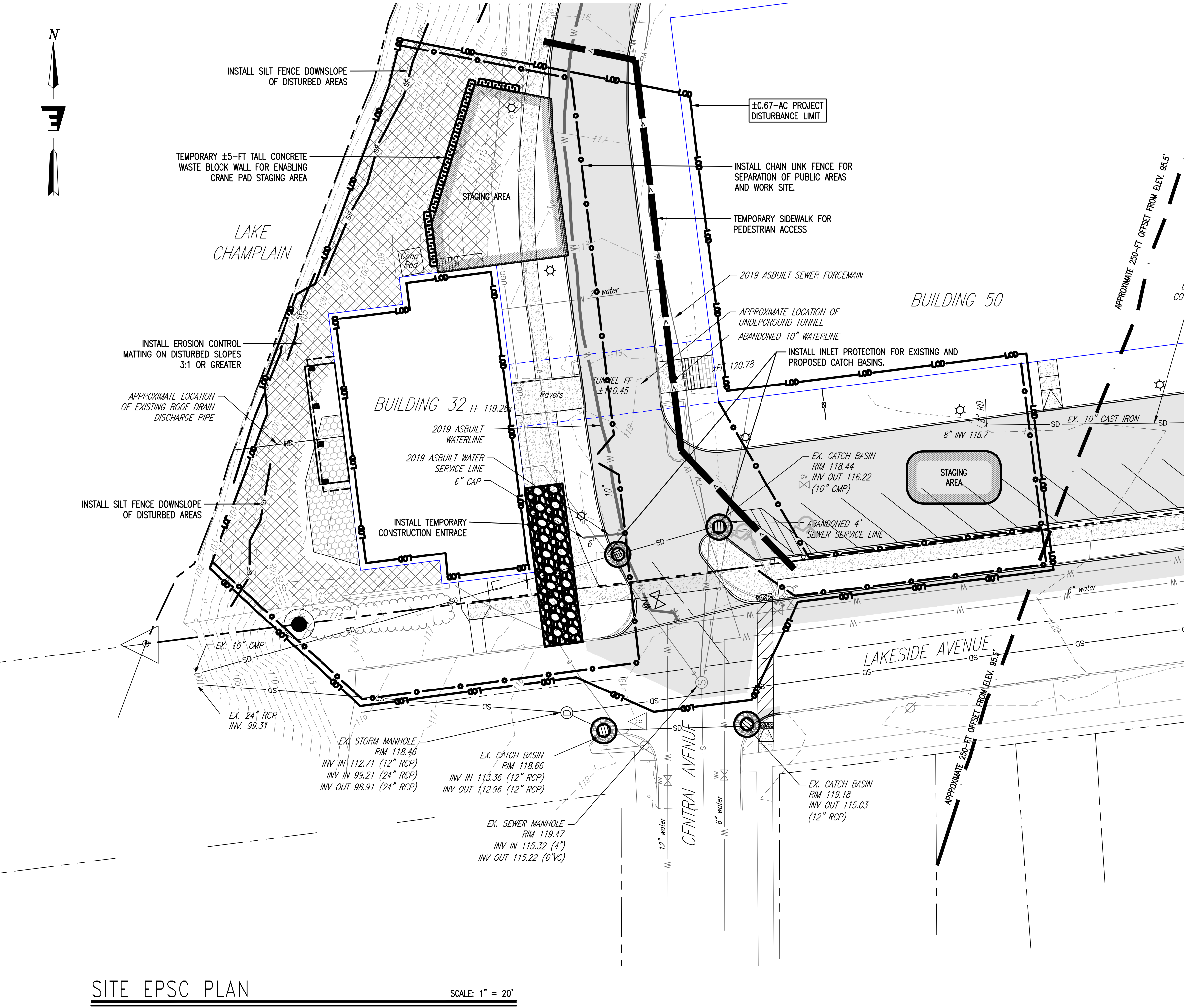
DATE: 05/05/2020  
SCALE: AS NOTED  
CHECKED: KW  
DRAWN BY: HKW

REVISIONS

EXISTING  
CONDITIONS  
&  
DEMOLITION  
PLAN

C1.0





EROSION CONTROL LEGEND

- EROSION PREVENTION AND SEDIMENT CONTROL STRATEGY**  
THE FOLLOWING TECHNIQUES WILL BE UTILIZED AS PART OF A SEDIMENT AND EROSION CONTROL PROGRAM. THE SEDIMENT AND EROSION CONTROL PROGRAM WILL BE IMPLEMENTED IN STAGES. CERTAIN ITEMS FROM ONE STAGE WILL LIKELY OVERLAP OR TAKE PLACE CONCURRENTLY WITH ITEMS FROM OTHER STAGES.
- EXPORTED MATERIAL SHALL BE HAULED OFF SITE AT THE TIME OF INITIAL EXCAVATION. NO SOIL STOCKPILES SHALL BE MAINTAINED ON SITE.
- TEMPORARY INLET PROTECTION** - INSTALL AS INDICATED ON PLANS. STONE TO BE REMOVED AND REPLACED WITH CLEAN STONE WHEN SEDIMENT IS  $\leq 1/2$  DEPTH OF STONE. REMOVE ALL SEDIMENT IF COLLECTED IN STRUCTURE AS SOON AS POSSIBLE.
- PERMANENT EROSION CONTROL NETTING**  
THIS STRUCTURAL MEASURE IS INSTALLED IN AREAS THAT HAVE SLOPES 3:1 AND GREATER AND IN OTHER LOCATIONS INDICATED ON THIS PLAN TO STABILIZE THE SLOPE AND REDUCE THE EROSION POTENTIAL. THE NETTING IS TYPICALLY IMPREGNATED WITH GRASS SEED AND SOMETIMES STAPLED TO THE EXPOSED SOIL. THESE WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE PROJECT SITE HAS BEEN PERMANENTLY STABILIZED.
- TEMPORARY STABILIZED CONSTRUCTION ENTRANCE**  
THIS STRUCTURAL MEASURE IS A STABILIZED PAD OF AGGREGATE UNDERLAIN WITH FILTER FABRIC LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, SIDEWALK, OR PARKING AREA. THE PURPOSE OF A STABILIZED CONSTRUCTION ENTRANCE IS TO REDUCE OR ELIMINATE THE TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY OR STREETS. THIS WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE PROJECT SITE HAS BEEN PERMANENTLY STABILIZED. ONCE REMOVED, THE IMPACTED AREA SHALL BE SEEDED AND MULCHED.
- TEMPORARY STAGING AND WASTE AREAS (APPROXIMATE)**  
THESE ARE APPROVED LOCATIONS WHERE NON-SOIL, NON-ERODIBLE MATERIALS MAY BE STORED. SOILS SHALL NOT BE STORED IN THESE AREAS.
- TEMPORARY SILT FENCING**  
THIS STRUCTURAL MEASURE IS A TEMPORARY BARRIER OF GEOTEXTILE FABRIC USED TO INTERCEPT SEDIMENT LADEN RUNOFF FROM SMALL DRAINAGE AREAS OF DISTURBED SOIL. IT IS INSTALLED ALONG THE PERIMETER OF IMPACTED AREAS AND ALONG THE BASE OF THE FILL SLOPES. ADDITIONALLY, WHEN DESIGNATED ALONG THE LIMITS OF DISTURBANCE, INSTALL CONSTRUCTION FENCE BEHIND THE SILT FENCE. SILT FENCING IS EFFECTIVE IN REDUCING STORMWATER RUNOFF VELOCITIES, ASSIST IN THE DEPOSITION OF TRANSPORTED SEDIMENT LOAD AND PREVENT EROSION OF SOILS ONTO ADJACENT AREAS. THESE WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE PROJECT SITE HAS BEEN PERMANENTLY STABILIZED.
- CONSTRUCTION OR CHAIN LINK FENCING**  
THIS STRUCTURAL MEASURE IS INSTALLED ALONG THE PERIMETER OF THE PROJECT AREA. IN MANY CASES THE LIMIT OF DISTURBANCE WILL COINCIDE WITH THE FENCING OR INDICATE BUFFER AREAS TO BE PROTECTED. THE FENCING IS EFFECTIVE WHEN USED TO SEPARATE THE PROJECT AREA FROM ADJACENT AREAS USED BY THE PUBLIC. THESE WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE PROJECT SITE HAS BEEN PERMANENTLY STABILIZED. CONFIRM LOCATION, EXTENTS AND GATES WITH OWNER. FENCE LOCATION AND GATES TO BE RE-ADJUSTED AS NECESSARY BASED ON OWNER REQUIREMENTS AND COORDINATION.
- LIMITS OF DISTURBANCE**  
THE CONTRACTOR SHALL CONTAIN ANY EARTH MOVING ACTIVITIES WITHIN THE DESIGNATED LIMITS SHOWN ON THIS PLAN. THE ENGINEER SHALL REVIEW THE SITE TO MAKE ANY ADJUSTMENTS TO ACCOUNT FOR ENVIRONMENTALLY SENSITIVE AREAS, SPECIMEN TREES AND SPECIAL AREAS OF CONCERN. INSTALL CONSTRUCTION FENCING ALONG THE LIMIT OF DISTURBANCE TO SEPARATE THE PROJECT AREA FROM ADJACENT AREAS USED BY THE PUBLIC. FENCING SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE PROJECT SITE HAS BEEN PERMANENTLY STABILIZED. CONFIRM LOCATION AND EXTENT WITH OWNER.



PROPOSED SURFACE LEGEND

- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED CONCRETE
- PROPOSED GRANITE PAVERS
- PROPOSED PERMEABLE PAVERS
- PROPOSED VEHICULAR CONCRETE
- PROPOSED DEPRESSED CURB WITH TRANSITION
- REFER TO ARCHITECTURAL DRAWINGS FOR CONCRETE FINISH & SCORING PATTERN

PROPOSED SITE FEATURES

- C1 PAVED DRIVES, SURFACE PARKING & STRIPING
- C2 CONCRETE SIDEWALK
- C3 GRANITE PAVERS
- C4 PAVEMENT PATCH
- C5 FLUSH CURB ACROSS DRIVE
- C6 PERVIOUS PAVERS

LOT COVERAGE CALCULATION

$\pm 6.67$ -AC PRE-DEVELOPMENT IMPERVIOUS AREA (PRIOR TO BUILDING 44 & 50 REDEVELOPMENT PROJECT)

$\pm 6.41$ -AC POST-DEVELOPMENT IMPERVIOUS AREA

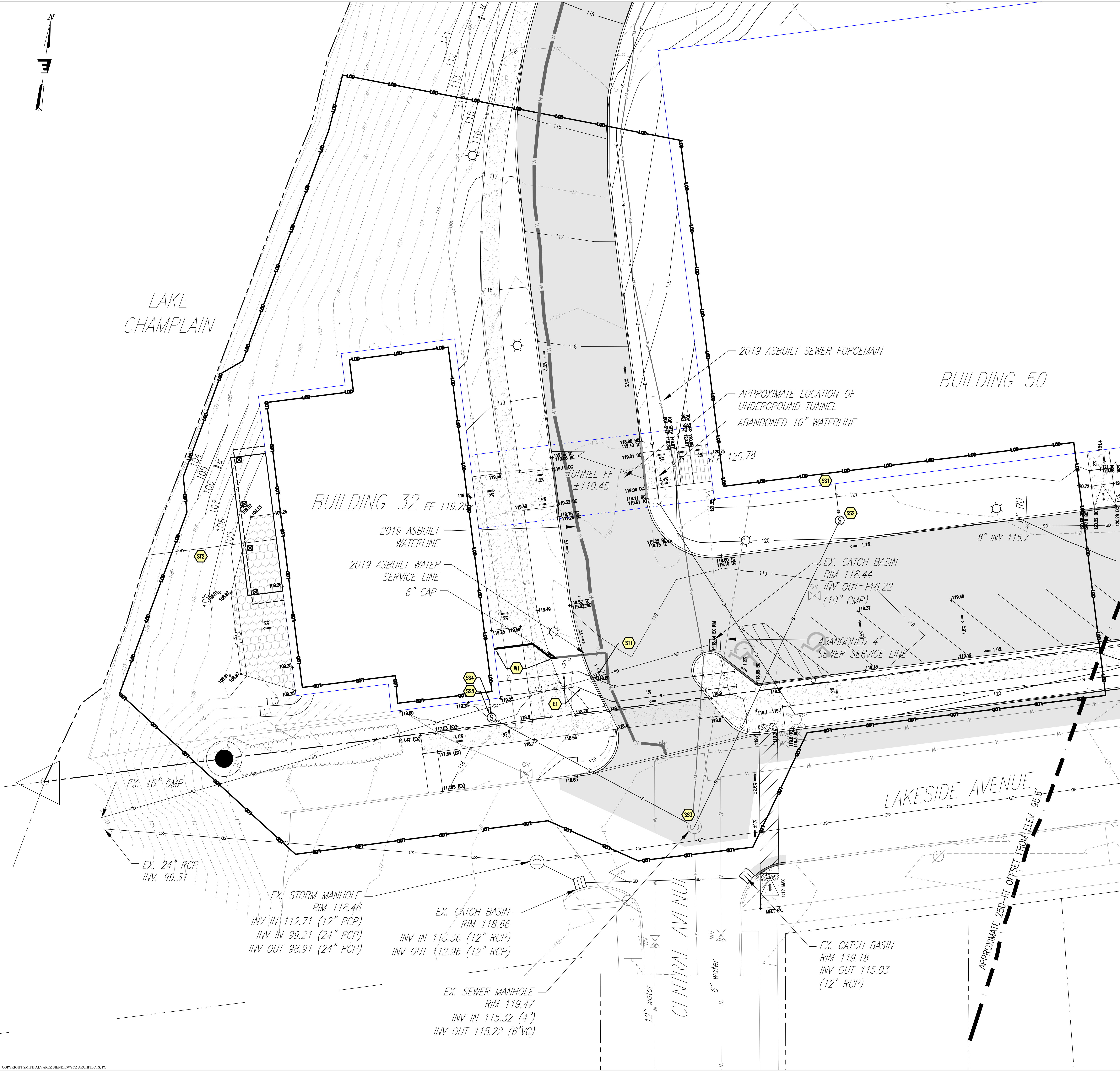
$6.41$ -AC/ $14.89$ -AC = 43% IMPERVIOUS

FLOOR AREA RATIO CALCULATION

|                |                   |
|----------------|-------------------|
| BUILDING 32    | $\pm 18,000$ -SF  |
| BUILDING 44/50 | $\pm 136,000$ -SF |
| BEACH CLUB     | $\pm 3,300$ -SF   |
| TOTAL GSF      | $\pm 141,100$ -SF |

FAR 0.24



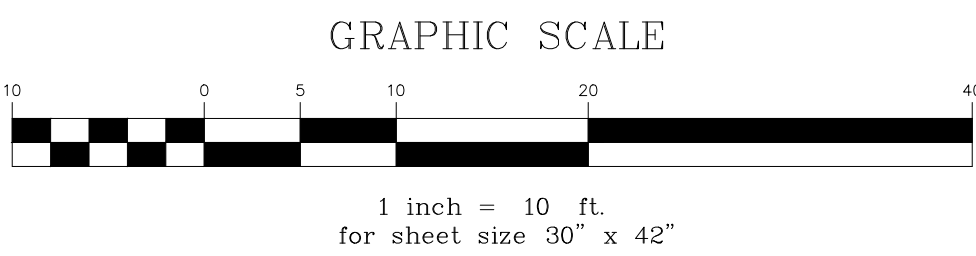


PROPOSED UTILITY LEGEND

- 250 MAJOR CONTOUR
- 251 MINOR CONTOUR
- S (S) SEWER COLLECTION LINE/MANHOLE
- SS SEWER SERVICE LINE
- GV WATERLINE/GATE VALVE
- WS WATER SERVICE LINE
- SD STORM LINE/CATCH BASIN
- RD ROOF DRAIN
- E ELECTRICAL CONDUIT

PROPOSED UTILITY SCHEDULE

- W1 NEW 6" WATER SERVICE LINE WITH 45-DEG BENDS AS INDICATED
- E1 APPROXIMATE LOCATION OF UNDERGROUND ELECTRICAL LINES  
PROVIDE (S) 4" CONDUITS & MAINTAIN MINIMUM 3'-FT SEPARATION TO EXISTING LAKESIDE AVE HYDRANT
- ST1 PROP. 4'-FT I.D. CATCH BASIN  
INSTALLED INLINE WITH EXISTING CMP PIPE  
MATCH EXISTING CMP INVERT ELEVATIONS
- ST2 ADD/ALT  
REPLACE ROOF DRAIN DISCHARGE PIPE
- SS1 PROP. BLD 50 SEWER LINE EXIT  
INV. OUT: 116.15 (6" SDR 35 PVC TO SS2)
- SS2 PROP. 4'-FT I.D. SEWER MANHOLE  
RIM: 120.50  
INV. IN: 115.95 (6" SDR 35 PVC FROM SS1)  
INV. OUT: 115.85 (6" SDR 35 PVC TO EX. SMH)
- SS3 CORE & BOOT FOR NEW CONNECTIONS TO EXISTING SEWER MANHOLE  
RIM: 119.47  
INV. IN: 115.30 (6" SDR 35 PVC FROM SS2)  
INV. IN: 115.30 (6" SDR 35 PVC FROM SS5)  
INV. OUT: 115.20 (EXISTING 6" V.C.)
- SS4 PROP. BLD 32 SEWER LINE EXIT  
INV. OUT: 115.87 (6" SDR 35 PVC TO SS5)
- SS5 PROP. 4'-FT I.D. SEWER MANHOLE  
RIM: 119.12  
INV. IN: 115.77 (6" SDR 35 PVC FROM SS4)  
INV. OUT: 115.67 (6" SDR 35 PVC TO EX. SMH)



SMITH  
ALVAREZ  
SIENKIEWYCZ

ARCHITECTS

117 St. Paul Street  
3rd Floor  
Burlington, VT  
05401

P: 802-863-2227  
F: 802-863-0093

CONSULTANTS

CIVIL  
ENGINEERING VENTURES  
208 FLYNN AVE, SUITE 2A  
BURLINGTON, VT 05401  
P: 802-863-6225  
F: 802-863-6306

LANDSCAPE  
DISTINCTIVE LANDSCAPING  
211 GREENBUSH ROAD  
CHARLOTTE, VT 05445  
P: 802-425-2877  
F: 802-425-2797

STRUCTURAL  
ARTISAN ENGINEERING  
120 GRAHAM WAY, SUITE 124  
SHELBURNE, VT 05482  
P: 802-497-3531

MECHANICAL/ELECTRICAL  
LN CONSULTING  
PO BOX 65178  
BURLINGTON, VT 05406-5178  
P: 802-455-1753  
F: 802-455-7628

SAS PROJECT NUMBER: 0917

PROJECT

HULA  
•  
BUILDING 32  
•  
32 LAKESIDE AVE  
BURLINGTON, VT

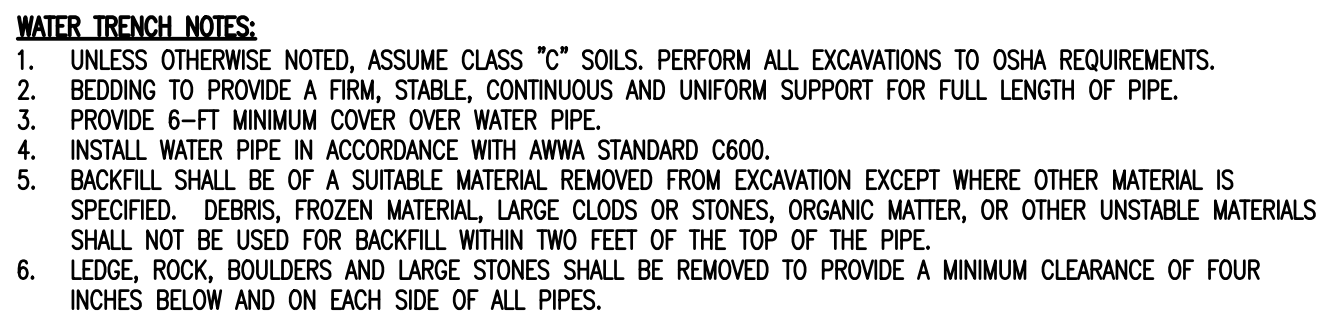
DATE: 05/05/2020  
SCALE: AS NOTED  
CHECKED: KW  
DRAWN BY: HKW

REVISIONS

SITE  
GRADING  
&  
UTILITY  
PLAN

C1.2





SANITARY SEWER TRENCH NOTES:

1. UNLESS OTHERWISE NOTED, ASSUME CLASS "C" SOILS. PERFORM ALL EXCAVATIONS TO OSO REQUIREMENTS.
2. BEHIND TO PROVIDE A FIRM, STABLE, CONTINUOUS AND UNIFORM SUPPORT FOR FULL LENGTH OF PIPE.
3. ALL UNDERLAYS SHALL BE PLACED AT MINIMUM DEPTH OF 6" BELOW THE BOTTOM OF THE PIPE.
4. IF INSULATION IS REQUIRED, IT SHALL BE INSTALLED AT A DEPTH LESS THAN 3'-0" UNDER DRAINAGES, EXTRA HEAVY CAST IRON OR OTHER HIGH STRENGTH PIPE SHALL BE USED. OTHERWISE, REFER TO INSULATION OVER SHALLOW SLOPE LINE.
5. IF INSULATION IS NOT REQUIRED, THE DEPTH OF THE UNDERLAY SHALL BE INCREASED TO 6'-0" IN AREAS TO BE PLOWED DURING THE WINTER MONTHS. OTHERWISE, REFER TO INSULATION OVER SHALLOW SLOPE LINE DETAIL.
6. ALL MATERIALS SHALL BE CLEAN, FREE FROM MATERIAL REMOVED FROM EXCAVATION EXCEPT WHERE OTHER MATERIAL IS SPECIFIED. DEBRIS, FROZEN MATERIAL, LARGE GLOBES OR STONES, ORGANIC MATTER, OR OTHER UNSUITABLE MATERIALS SHALL BE SET ASIDE FOR BACKFILL WITHIN TWO FEET OF THE TOP OF THE PIPE.
7. ALL ROCKS, Boulders, Large Stones, ETC., SHALL BE REMOVED TO PROVIDE A MINIMUM CLEARANCE OF FOUR INCHES BELOW AND ON EACH SIDE OF ALL PIPES.
8. SENSITIVE TO 20 PERCENT SLOPES OR GREATER SHALL BE ANCHORED SECURELY WITH CONCRETE ANCHORS OR SPACED ANCHORS.
  - A. NOT OVER 36 FEET CENTER TO CENTER ON GRADES 20 PERCENT UP TO 35 PERCENT
  - B. NOT OVER 24 FEET CENTER TO CENTER ON GRADES 35 PERCENT AND OVER
  - C. NOT OVER 16 FEET CENTER TO CENTER ON GRADES 50 PERCENT AND OVER

## WATER INSULATION NOTES

1. REFER TO APPLICABLE TRENCH DETAIL FOR SPECIFIC BACKFILL INFORMATION.
2. RIGID EXTRUDED POLYSTYRENE INSULATION SHALL CONFORM WITH ASTM C578 - STANDARD SPECIFICATION FOR RIGID CELLULAR POLYSTYRENE THERMAL INSULATION AND SHALL BE DOW STYROFOAM HIGH LOAD 40 OR EQUIVALENT.

### SANITARY INSULATION NOTES

COPYRIGHT SMITH ALVAREZ SIENKIEWYCZ ARCHITECTS, INC.

**2019 Flow Basis Notes:**  
Office use assumes single shift without showers or cafeteria  
Event space assumes no food service  
Restaurant use assumes 2 meals per day  
Beach club applies "health club" use flows and assumes no showers

WATER MAIN ABOVE SEWER

2. A 6" OF THE VERMONT WATER SUPPLY RULE.
3. THE MINIMUM SPACING SHALL BE 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED SEWERS AND 5 FEET TO EXISTING AND PROPOSED STORMWATER LINES. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE. IF THIS DISTANCE CANNOT BE DETERMINED, THEN THE DISTANCE SHALL BE INDICATED BY A DIMENSION LINE. THE MINIMUM VERTICAL CLEARANCE OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER OR STORMLINE.
3. WHEN IT IS POSSIBLE TO MAINTAIN 18" VERTICAL SEPARATION OR WHERE THE SEWER MAIN IS DEEPER THAN THE WATER MAIN, THE MINIMUM VERTICAL CLEARANCE SHALL BE 12 INCHES. THE MINIMUM LENGTH OF SEWER IS ENTERED ABOVE OR BELOW THE WATER LINE WITH SEWER JOINTS AS FAR AS POSSIBLE FROM WATER JOINTS. 2" OF THE SEWER PIPE MUST BE CONSTRUCTED TO WATER MAIN STANDARDS FOR A MINIMUM DISTANCE OF 20 FEET EITHER SIDE OF THE CROSSING OR FOR A MINIMUM THREE PIPE LENGTHS, WHICHEVER IS GREATER. (3) THE SECTION CANNOT BE WATER MAIN STANDARDS MUST BE PRESSURE TESTED TO MAINTAIN 50 psi FOR 15 MINUTES WITHOUT LEAKAGE PRIOR TO BACKFILLING BETWEN ONE FOOT ABOVE THE PIPE TO ASSURE WATER TIGHTNESS.

SCALE: HORIZ. 1" = 10'  
VERT.: 1" = 5'

D. MAX. PERMISSIBLE DEFLECTION IS 75% OF AWWA SPEC. C600.

**CHLORINATION OF DOMESTIC WATER LINES**

THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS IN ADVANCE OF BEGINNING ANY DISINFECTION OF WATER MAINS.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR BACTERIOLOGICAL TESTING AS REQUIRED BY THIS SPECIFICATION AND REFERENCE STANDARDS MENTIONED.

3. DISINFECT ALL NEW PIPELINE SYSTEMS IN ACCORDANCE WITH AWWA C651, INCLUDING:

A. METHOD OF CHLORINE APPLICATION: USE CONTINUOUS FEED METHOD OR SLUG METHOD (TABLET METHOD IS NOT ACCEPTABLE).

B. FORM OF CHLORINE UTILIZED.

C. FINING FLUSHING.

D. BACTERIOLOGICAL TESTING.

E. REPETITION OF PROCEDURE.

### GATE VALVES

1. RESILIENT SEAT GATE VALVES BY KENNEDY "KEN-SEAL" OR EQUAL.
  2. IRON BODY GATE VALVES TO MEET ANWA C-509-87.
  3. STEM CONSTRUCTION: NON-RISING.
  4. SEALS: DOUBLE O-RING.
  5. GATE: CAST IRON SEAT-SEAL WITH SYNTHETIC ELASTOMER COATING, AND SHALL BE EPOXY COATED (FUSION BONDED) INSIDE AND OUT.
  6. BONNET HARDWARE SHALL MEET ASTM A307, CADMIUM PLATED.
  7. OUTLET CONNECTION: STANDARD MECHANICAL JOINT
  8. OPERATION: OPEN RIGHT.
- TAPPING SLEEVES AND VALVES**

### TAPPING VALVES

1. TAPPING VALVES TO MEET ANSI/AWWA C509-87, STANDARD FOR RESILIENT SEATED GATE VALVES.
  2. VALVES SHALL HAVE A MINIMUM WORKING PRESSURE OF 150 PSI.
  3. TAPPING VALVES SHALL OPEN.
  4. INLET FLANGES SHALL BE CLASS 125, ANSI B16.1, OR ANSI/AWWA C110/A21.10.
  5. OUTLET CONNECTION: STANDARDIZED MECHANICAL JOINT.
  6. STEM SEALS: O RING.
  7. STEM CONSTRUCTION: NON-RISING.
  8. SEATING: PARALLEL SEAT
  9. END CONNECTIONS: MECHANICAL ON RUN, FLANGED ON BRANCH.
  10. BURRED TAPPING VALVES SHALL BE OPERATED WITH A 2 INCH SQUARE WRENCH AND CAST IRON VALVE BOX. IF DEPTH FROM GRADE TO TOP OF VALVE OPERATING NUT IS GREATER THAN 6'-0", A VALVE STEM RISER MADE OF HIGH STRENGTH STEEL SHALL BE PROVIDED. DEPTH FROM VALVE STEM RISER NUT TO GRADE WILL BE 4 TO 6 FEET.
- TAPPING DEVICES**
1. AWWA C209, LATEST REVISION.
  2. AWWA C207, CLASS D, MAX. WORKING PRESSURE OF 150 PSI.
  3. DEVICES: SPLIT SLEEVES OF CAST IRON OR DUCTILE IRON.
  4. MECHANICAL JOINT ENDS WITH END AND GASKET SEALS.
  5. BOLTS AND NUTS: MECHANICAL JOINTS: HIGH STRENGTH CAST IRON OR HIGH STRENGTH LOW ALLOY STEEL.
- ANSI/AWWA C111/A21.11-APP-30
- COAT AND NUTS FLANGED JOINTS:** HIGH STRENGTH, LOW CARBON STEEL CONFORMING TO ANSI/AWWA C110/A21.11-11, 11-30
1. COAT ALL NUTS AND BOLTS WITH A RUST RESISTANT LUBRICANT.
  2. ALL BOLTS AND NUTS USED WITH PIPE SEEVES SHALL BE BRUSH COATED HEAVILY AFTER FINAL TIGHTENING WITH AN OIL BASED LUBRICANT.

BITUMASTIC COLD-APPLIED WATER  
VALVE BOXES

- VALVE BOXES**
1. ACCEPTABLE MANUFACTURER'S: MUELLER, CLOW, OR EQUAL.
  2. CLOW F-2452 SLIDING TYPE, TWO PIECE, OR EQUAL.
  3. 5 1/4 INCH SHAFT.
  4. SIZE 664-A (40-60 INCH OVERALL LENGTH).
  5. CAST IRON.
  6. CLOW F-2490 LIDS OR EQUAL.
  7. THE WORDS "MADE TO BE CAST INTO TOP OF COVERS" AND ARROW SHOWING DIRECTION OF OPENING

7. THE WORD "WATER" TO BE CAS  
CONCRETE

- CONCRETE**
1. CONCRETE SHALL HAVE:
- A. MIN. COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS
  - B. AIR ENTRAINMENT OF 4% TO 6% BY VOLUME.
  - C. WATER CEMENT RATIO OF 0.49 LBS. WATER/CEMENT.
  - D. SLOPE OF 2 TO 4 INCHES
2. CONCRETE SHALL NOT BE PLACED WHEN AMBIENT TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT OR MORE THAN 90 DEGREES FAHRENHEIT.
3. CONCRETE SHALL NOT BE DROPPED MORE THAN SIX FEET INTO A FORM.
4. AMBIENT TEMPERATURE OF CONCRETE SURFACE AT MINIMUM 50 DEGREES FAHRENHEIT FOR 72 HOURS AFTER PLACING CONCRETE. PREHEAT ALL ENCLOSURES FOR A MINIMUM OF 24 HOURS TO PROVIDE A MIN. SURFACE TEMPERATURE OF 45 DEGREES FAHRENHEIT.
5. ALLOW TO SET AND CURE ALL THRUST BLOCKS, CONCRETE SUPPORTS, AND ANCHORS A MINIMUM OF 24 HOURS BEFORE BACKFILLING.
6. COMPLETELY CURE AND SET CONCRETE BEFORE ANY HYDROSTATIC OR LEAKAGE TESTING OF PIPELINE SYSTEMS.
7. NONSKIRK GROUT SHALL BE HALCO TRADEMARK, AS MANUFACTURED BY LEHM & FINK INDUSTRIAL PRODUCTS.
8. DO NOT PLACE A MORTAR OR GROUT WHEN AMBIENT TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT.
9. MORTAR FOR MANIFOLDS SHALL CONSIST OF THE FOLLOWING:
- A. CEMENT-TYPE II, ASTM C150.
  - B. HYDRATED LIME-TYPE N, ASTM C207.
  - C. SAND-ASTM C 33, FINE AGGREGATES FOR CONCRETE.
  - D. WATER-CLEAN, SUITABLE FOR DRINKING.
10. MIX(BY VOLUME): 1 PART CEMENT, ½ PART LIME, 4 ½ PARTS SAND.
- GENERAL**
1. CONTRACTOR SHALL NOTIFY BURLINGTON DEPARTMENT OF PUBLIC WORKS AT LEAST 48 HOURS BEFORE BEGINNING WATER LINE WORK.
2. "AS BUILT" DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AT THE TIME OF COMPLETION OF THE SYSTEM.

## GENERAL

1. CONTRACTOR SHALL NOTIFY BURLINGTON DEPARTMENT OF PUBLIC WORKS AT LEAST 48 HOURS BEFORE BEGINNING WATER LINE WORK..
2. "AS BUILT" DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AT THE TIME OF COMPLETION OF THE SYSTEM.

### LEAKAGE TESTS FOR GRAVITY SEWERS:

PERFORM A PRESSURIZED AIR TEST ON THE GRAVITY LINE IN ACCORDANCE WITH THE VERMONT ENVIRONMENTAL PROTECTION RULES ON EACH SECTION OF THE GRAVITY SEWER. THE ENGINEER SHALL BE GIVEN 72 HOURS NOTICE BEFORE THE TEST IS CONDUCTED. TEST MUST BE WITNESSED BY THE ENGINEER.

PLUG ALL OPENINGS IN THE TEST SECTION. ADD AIR UNTIL THE INTERNAL PRESSURE OF THE LINE IS RAISED TO APPROXIMATELY 4.0 POUNDS/SQUARE INCH (PSI) GREATER THAN THE AVERAGE PRESSURE OF ANY GROUND WATER. AFTER THIS PRESSURE IS REACHED, ALLOW THE PRESSURE TO STABILIZE. THE PRESSURE WILL NORMALLY DROP AS THE AIR TEMPERATURE STABILIZES. THIS USUALLY TAKES 2 TO 5 MINUTES DEPENDING ON THE PIPE SIZE. THE PRESSURE MAY BE REDUCED TO 3.5 PSI BEFORE STARTING THE TEST.

WHEN THE PRESSURE HAS STABILIZED AND IS AT OR ABOVE THE STARTING TEST PRESSURE OF 3.5 PSI ABOVE THE PIPE, START THE TEST. IF THE PRESSURE DROPS MORE THAN 1.0 PSI DURING THE TEST, THE LINE IS PRESUMED TO HAVE FAILED THE TEST. IF A 1.0 PSI DROP DOES NOT OCCUR WITHIN THE TEST TIME, THE LINE HAS PASSED THE TEST. THE TEST TIME SHALL BE DERIVED FROM THE FOLLOWING TABLE. IF THE SECTION OF LINE TO BE TESTED INCLUDES MORE THAN ONE PIPE SIZE, CALCULATE THE TEST TIME FOR EACH SIZE AND ADD THE TEST TIMES TO ARRIVE AT THE TOTAL TEST TIME FOR THE SECTION.

| PIPE SIZE (IN) | T (TIME) (MIN./100FT) |
|----------------|-----------------------|
| 3              | 0.2                   |
| 4              | 0.3                   |
| 6              | 0.7                   |
| 8              | 1.2                   |

- INSTALLATION: PIPE SHALL BE LAID WITH BELL ENDS FORWARD AND LAYING SHALL START AT THE DOWNGRADE END.
- W. WATER LINE SEPARATION**
1. HORIZONTAL SEPARATION: SEWERS SHALL BE LAID FLAT AT LEAST 18 INCHES FROM ANY OTHER EXISTING OR PROPOSED WATER MAIN. THE DISTANCE SHALL BE MEASURED FROM THE EDGE WHERE IMPOSSIBLE OR IMPRACTICABLE TO MAINTAIN THE TEN FOOT SEWER/WATER PIPE HORIZONTAL SEPARATION. (DUE TO LEGS, BOLLARDS OR OTHER UNUSUAL CONDITIONS) THE WATER LINE MAY BE LAIN IN A SEPARATE TRENCH OR ON AN EXISTING SLOPE IN THE SEWER TRENCH PROVIDED THAT THE BOTTOM OF THE WATER LINE IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER. WHEREVER IMPOSSIBLE OR IMPRACTICAL TO MAINTAIN THE 18 INCH VERTICAL SEPARATION, THE SEWER LINE SHALL BE CONSTRUCTED USING PRESSURE PIPE TO NORMAL WATER MAIN STANDARDS AND PRESSURE TESTED TO 50 PSI FOR 15 MINUTE PRIOR TO BACKFILLING.
2. CROSSING: SEWERS CROSSING WATER MAINS SHALL BE LAID BENEATH THE WATER MAIN WITH AT LEAST 18 INCHES CLEARANCE FROM THE BOTTOM OF THE SEWER AND THE OUTSIDE OF THE WATER MAIN, WHEN IT IS IMPRACTICAL TO MAINTAIN THE 18 INCH VERTICAL SEPARATION.
- 2.1. CROSSING SEWERS SHALL BE CONSTRUCTED TO MAINTAIN A MINIMUM VERTICAL SEPARATION OF 18 INCHES ABOVE OR BELOW THE WATER MAIN WITH SEWER JOINTS AS FAR AWAY AS POSSIBLE FROM WATER JOINTS.
3. WATER MAIN SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS FOR A MINIMUM DISTANCE OF 20 FEET EITHER SIDE OF THE CROSSING OR A TOTAL OF THREE PIPE LENGTHS, WHICHEVER IS GREATER.
4. WATER MAINS CONSTRUCTED TO WATER MAIN STANDARDS MUST BE PRESSURE TESTED TO MAINTAIN 50 PSI FOR 15 MINUTES WITHOUT LEAKAGE PRIOR TO BACKFILLING BEYOND ONE FOOT ABOVE THE PIPE TO ASSURE WATER TIGHTNESS.
5. THE WATER MAINS MUST BE CONSTRUCTED TO ADEQUATE STRUCTURAL SUPPORT BE PROVIDED FOR THE SEWER TO PREVENT DAMAGE TO THE WATER MAIN.
- M. MANHOLES**
1. DIAMETER: THE MINIMUM DIAMETER OF MANHOLES SHALL BE 48 INCHES. LARGER DIAMETERS ARE

117 St. Paul Street  
3rd Floor  
Burlington, VT  
05401

D. 0 0 2 0 6 2 2 2 2 2

F:  $\overline{802} \cdot \overline{863} \cdot \overline{0093}$

## CONSULTANTS

**CIVIL**  
ENGINEERING VENTURES  
208 FLYNN AVE, SUITE 2A  
BURLINGTON, VT 05401  
P: 802-863-6225  
F: 802-863-6306

## LANDSCAPE

**DISTINCTIVE LANDSCAPING**  
211 GREENBUSH ROAD  
CHARLOTTE, VT 05445  
P: 802-425-2877  
F: 802-425-2797

## STRUCTURAL

ARTISAN ENGINEERING  
120 GRAHAM WAY, SUITE 124  
SHELBURNE, VT 05482  
P: 802-497-3531

## MECHANICAL/ ELECTRICAL

LN CONSULTING  
PO BOX 65178  
BURLINGTON, VT 05406-5178  
P: 802-655-1753  
F: 802-655-7628

SAS PROJECT NUMBER: 0917

## PROJECT

BUILDING 32  
32 LAKESIDE AVE  
BURLINGTON, VT

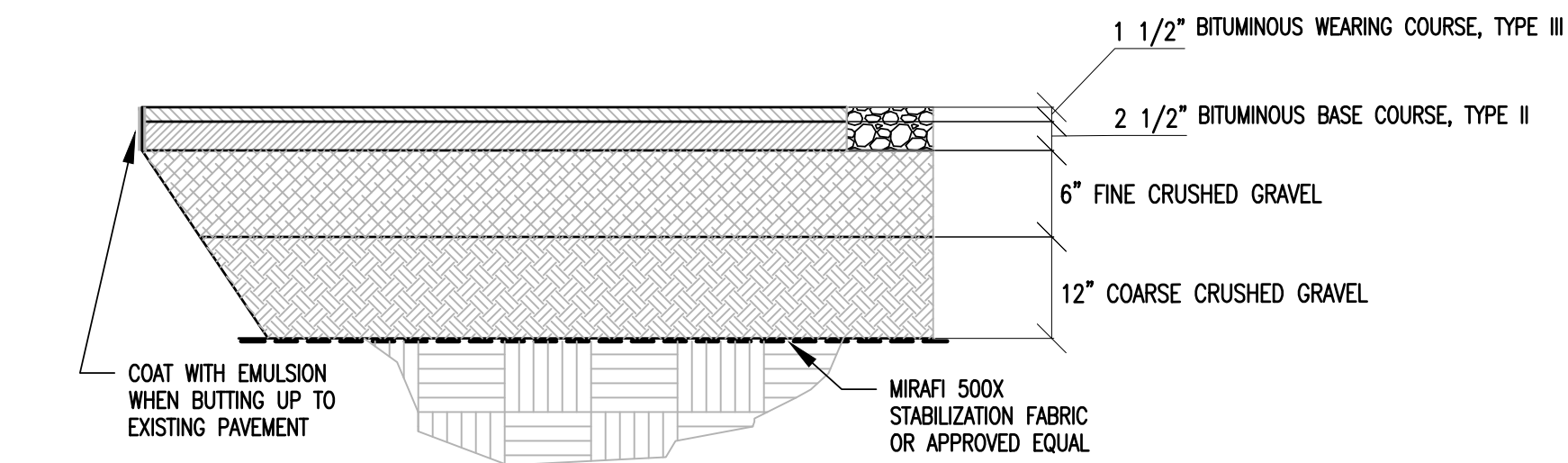
DATE: 05/05/2020  
SCALE: AS NOTED  
CHECKED: KW  
DRAWN BY: HKW

## REVISIONS

Water &amp; Sanitary Details

## C2.0

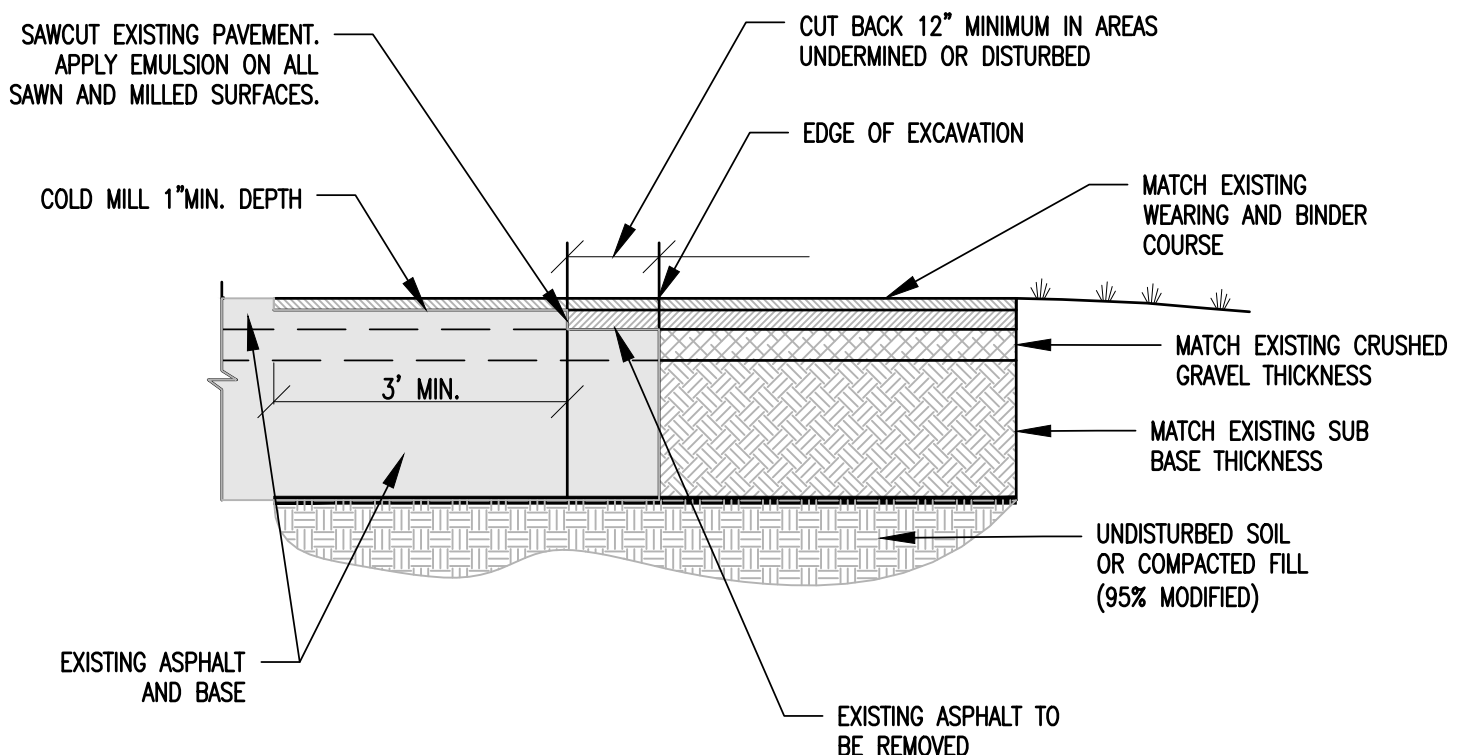




- PAVEMENT NOTES:**
1. IN ALL PAVEMENT AREAS TO BE PATCHED, SAW CUT AND REMOVE EXISTING PAVEMENT.
  2. EXCAVATE BASE MATERIAL AND SUB-BASE MATERIAL IF INADEQUATE.
  3. COMPACT ALL FILL MATERIAL TO 95% MODIFIED PROCTOR DENSITY.

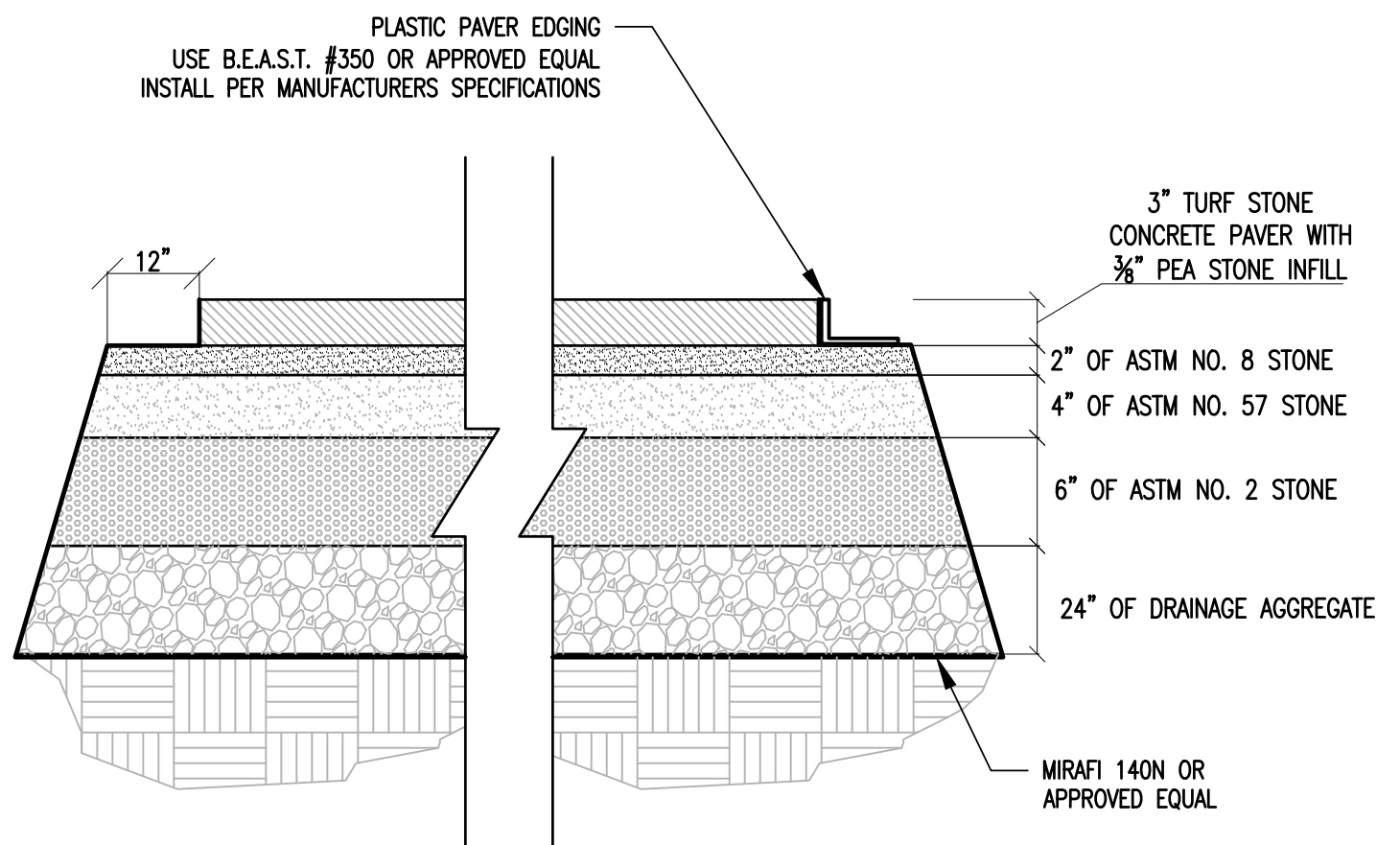
## TYPICAL PAVEMENT DETAIL

NOT TO SCALE 1



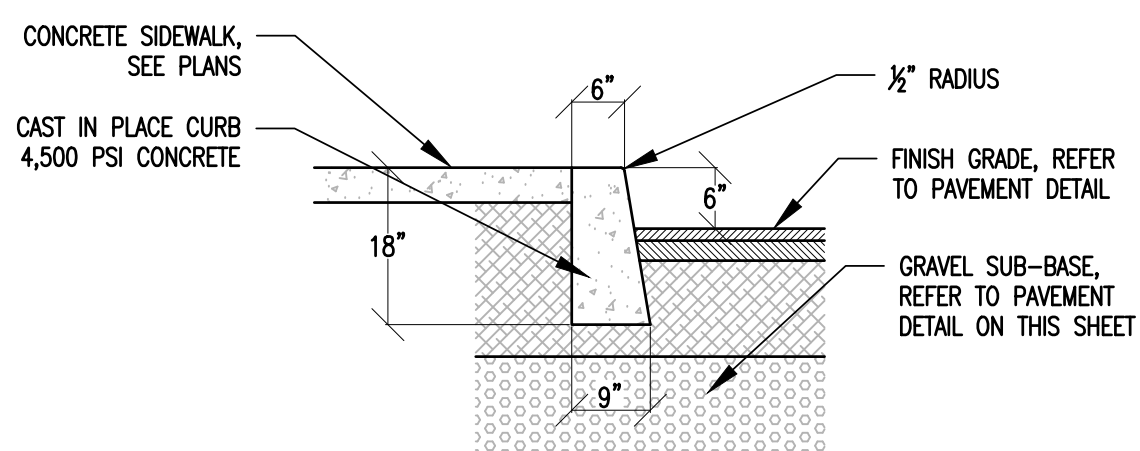
## TYPICAL PAVEMENT PATCH DETAIL

NOT TO SCALE 2



## PERMEABLE PAVER DETAIL

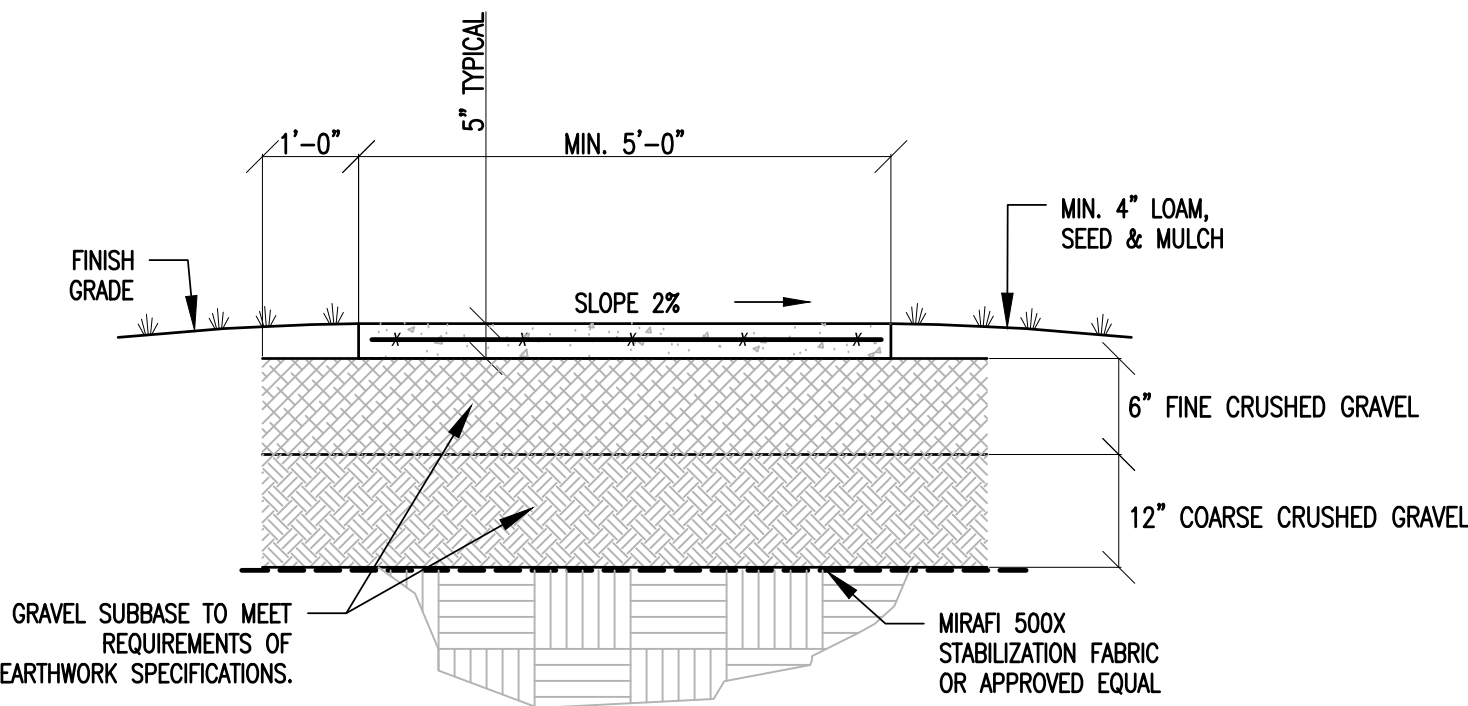
NOT TO SCALE 3



- CONCRETE CURB NOTES:**
1. CONSTRUCT CURBING IN 10'-0" SECTIONS WITH 1/8" JOINT BETWEEN SECTIONS
  2. EXPANSION JOINTS AT 20'-0" OC., MAX.
  3. GRANITE CURBS SHALL BE INSTALLED IN ACCORDANCE WITH PROJECT AND STATE SPECIFICATIONS
  3. WHERE CURB IS ADJACENT TO SIDEWALK, BOLLARD, LIGHT BASE OR OTHER HARD FEATURES, 1/4" EXPANSION MATERIAL (FULL DEPTH OF CURB), SHALL BE INSTALLED BETWEEN FEATURE & CURB.

## CONCRETE CURB DETAIL

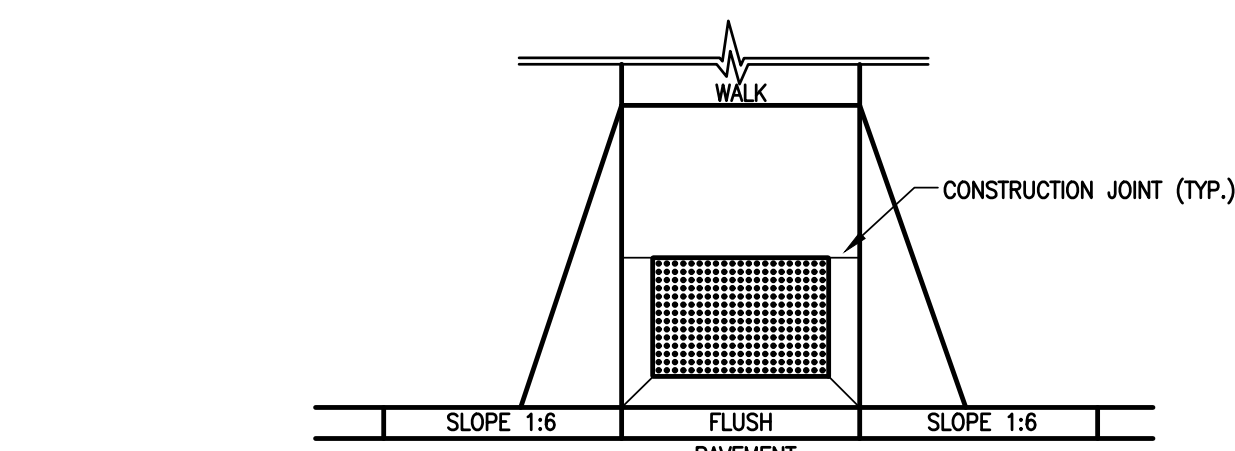
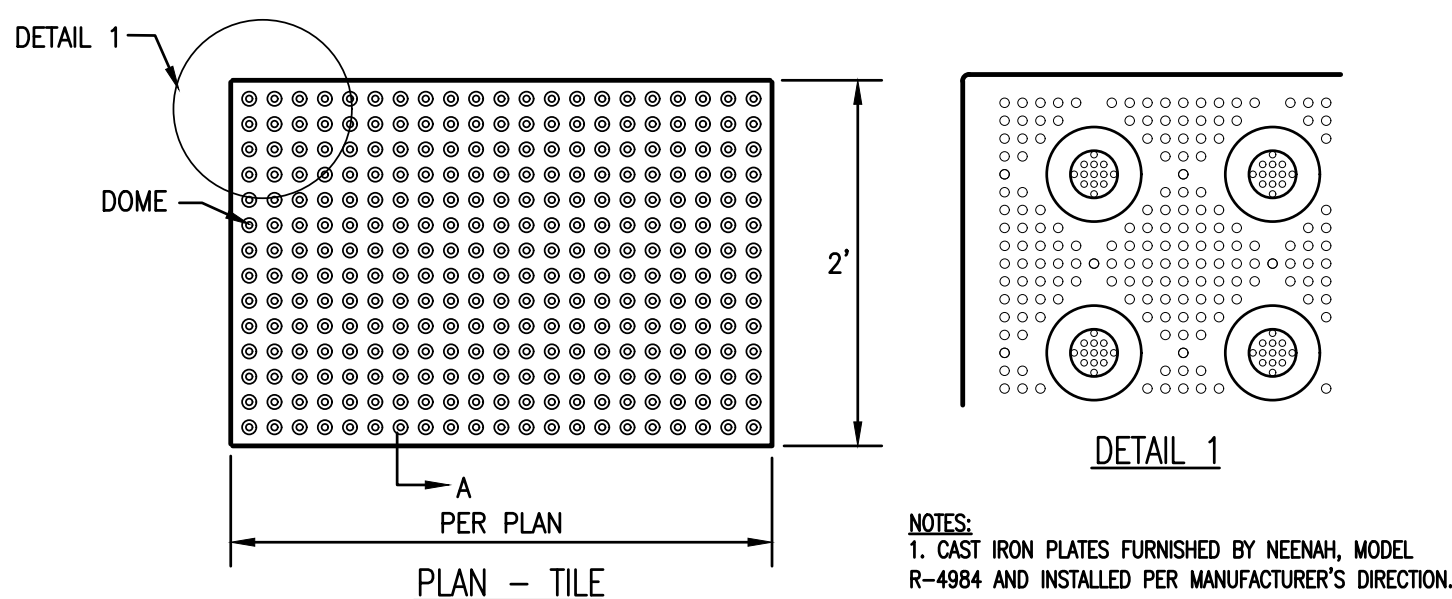
NOT TO SCALE 9



- CONCRETE SIDEWALK NOTES:**
1. PLACE A TOOLED JOINT 1/8" WIDE AND AT LEAST 1/3 OF THE DEPTH AT MINIMUM 4'-0" OC. OR AS NOTED ON PLANS.
  2. PLACE EXPANSION JOINT EVERY 20'-0"
  3. REFER TO ARCHITECTURAL PLAN SHEET L-1.0 FOR FINISH & COLOR.
  4. TREAT WITH SILANE-SILOXANE OR EQUAL.
  5. CAST-IN-PLACE CONCRETE TO BE 4,500 psi CONCRETE, 5%-7% AIR ENTRAINMENT WITH 6x6-W4.0xW4.0 REINFORCING CENTERED IN SIDEWALK.
  6. WHERE SIDEWALK IS ADJACENT TO ENTRY/EXIT DOOR PADS WITH FROST WALL FOUNDATIONS, SIDEWALK SHALL BE DOWELED TO PAD.
  7. WHERE SIDEWALK IS ADJACENT TO CURB, BOLLARD, LIGHT BASE OR OTHER HARD FEATURES, 1/4" EXPANSION MATERIAL SHALL BE INSTALLED BETWEEN FEATURE & SIDEWALK.

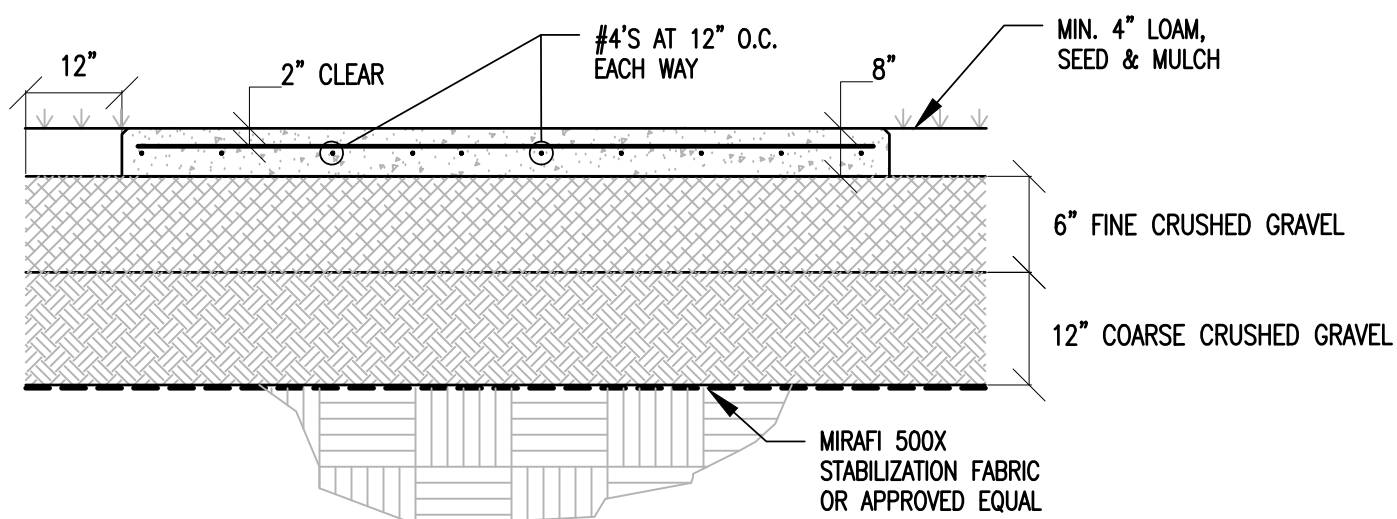
## CONCRETE SIDEWALK DETAIL

NOT TO SCALE 6



## DETECTABLE WARNING PLATE DETAIL

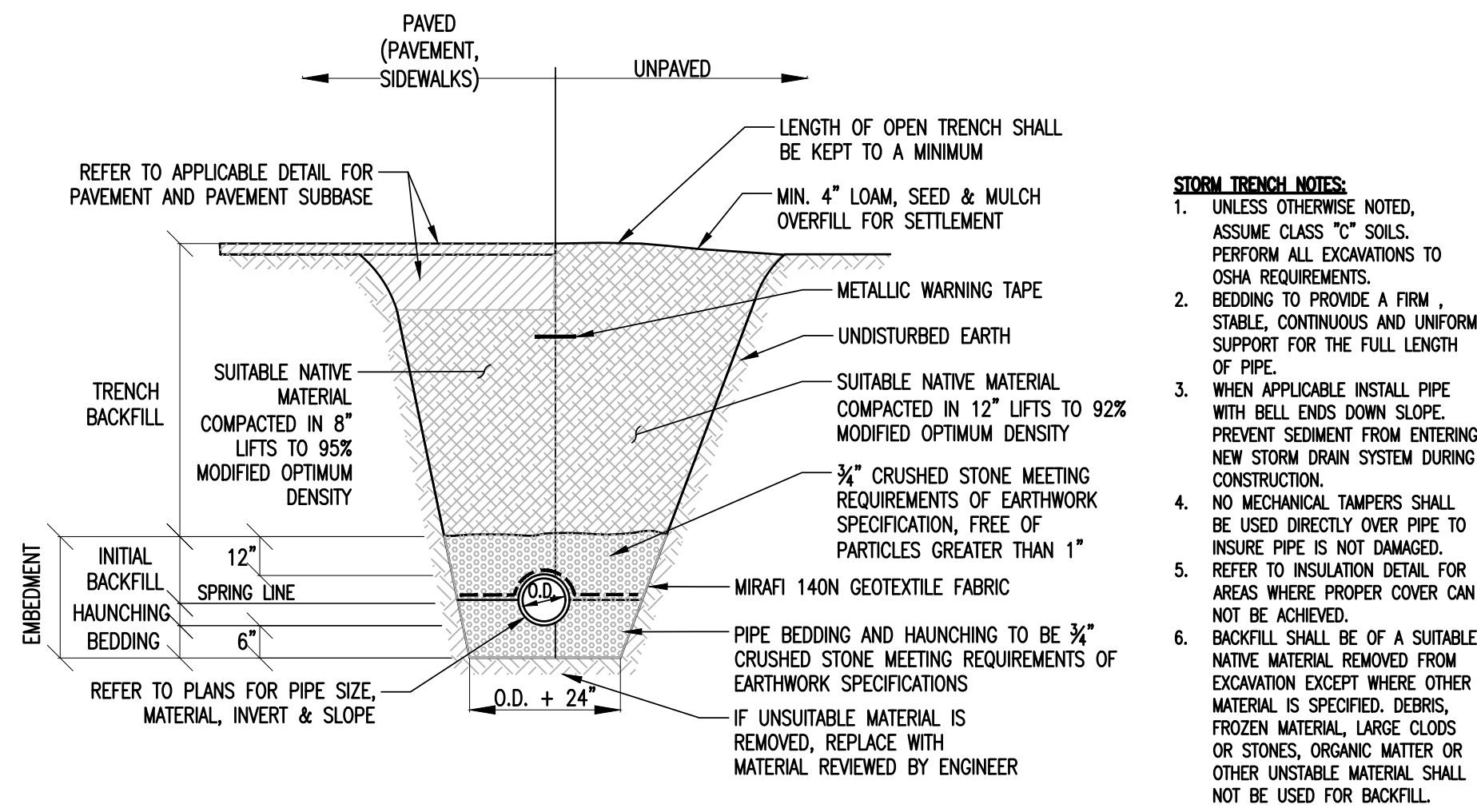
NOT TO SCALE 7



- EXTERIOR CONCRETE PAD NOTES:**
1. CONCRETE TO BE 4,500psi WITH 5-7% AIR ENTRAINMENT.
  2. REFER TO ARCHITECTURAL PLAN SHEET L-1.0 FOR FINISH & COLOR.
  3. TREAT WITH SILANE-SILOXANE OR EQUIVALENT.
  4. REFER TO SITE PLAN FOR SIZE AND LOCATION.

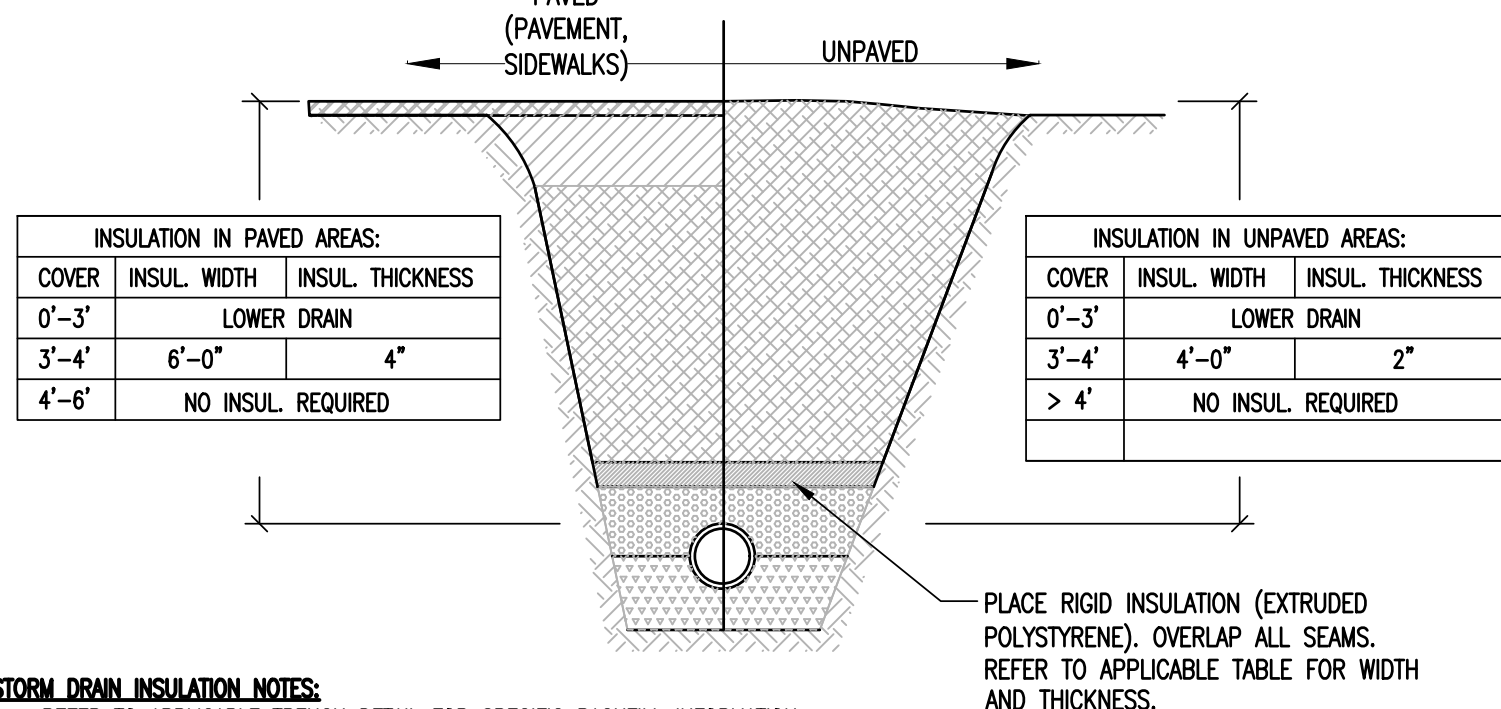
## EXTERIOR CONCRETE PAD/VEHICULAR CONCRETE DETAIL

NOT TO SCALE 5



## TYPICAL STORM DRAIN TRENCH

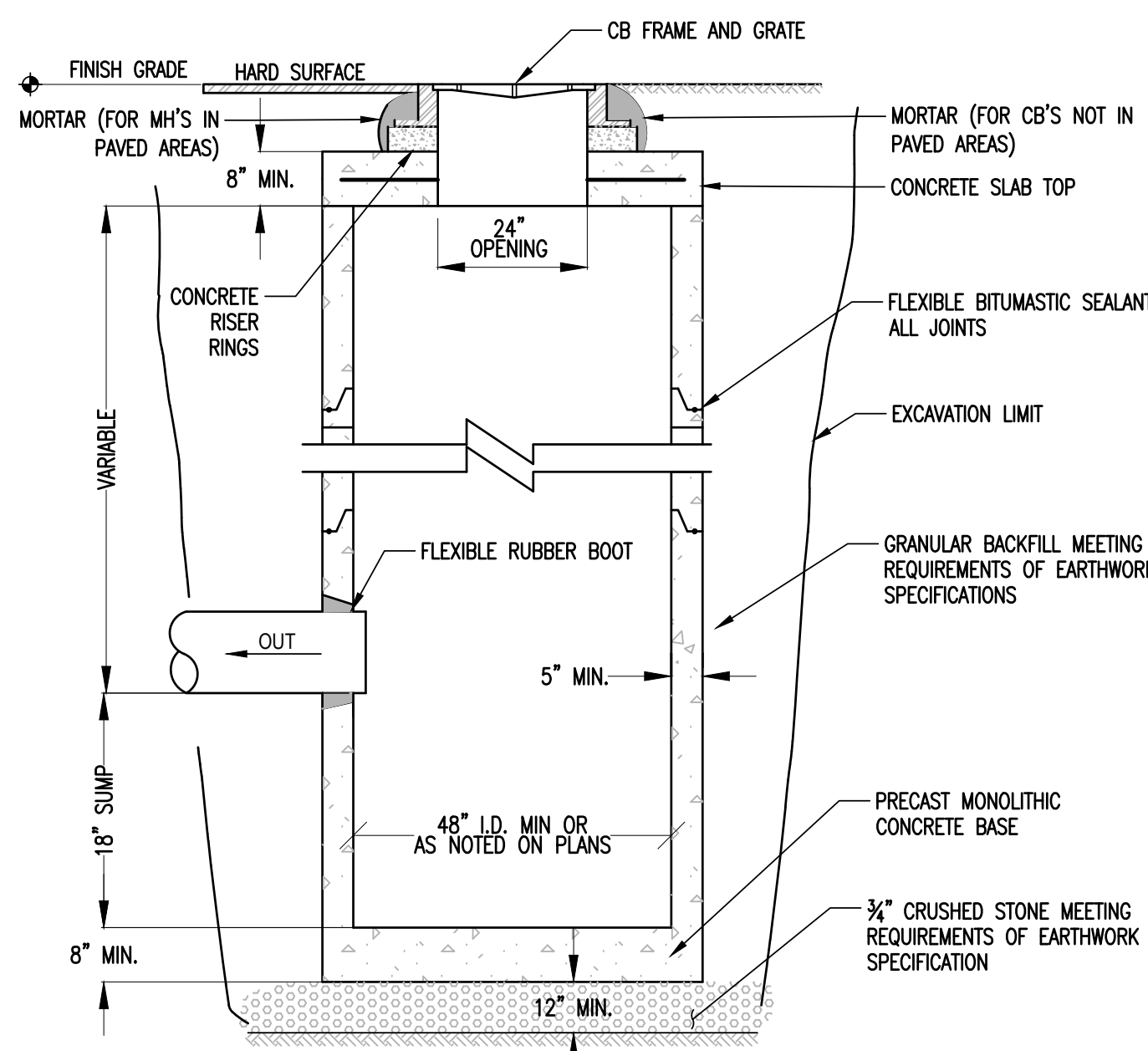
NOT TO SCALE 1



- STORM DRAIN INSULATION NOTES:**
1. REFER TO APPLICABLE TRENCH DETAIL FOR SPECIFIC BACKFILL INFORMATION.
  2. RIGID EXTRUDED POLYSTYRENE INSULATION SHALL CONFORM WITH ASTM C578 - STANDARD SPECIFICATION FOR RIGID CELLULAR POLYSTYRENE THERMAL INSULATION AND SHALL BE DOW STYROFOAM HIGH LOAD 40 OR EQUIVALENT.

## INSULATION OVER SHALLOW DRAIN DETAIL

NOT TO SCALE 2



- CATCH BASIN NOTES:**
1. PROVIDE AN EAST JORDAN IRONWORKS 24"x24" TYPE E OR EQUAL, 3 FLANGE GRATE AND FRAME NEXT TO CURBS AND 4 FLANGE GRATE AND FRAME AT ALL OTHER LOCATIONS.
  2. CATCH BASIN AND GRATE SHALL BE DESIGNED FOR H20 LOADING.

## CATCH BASIN DETAIL

NOT TO SCALE 7

## EARTHWORK SPECIFICATIONS

1. PRIOR TO THE START OF THE WORK, A PRE-CONSTRUCTION MEETING WILL BE HELD WITH THE CITY DPW, CONSTRUCTION ADMINISTRATOR, CONTRACTOR, OWNER & PROJECT ENGINEERS TO REVIEW PROCEDURES, IDENTIFY RESPONSIBILITIES, UNLESS STATED OTHERWISE, ALL MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE APPLICABLE STATE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. CLEARING AND GRUBBING- ALL TOPSOIL AND UNSUITABLE MATERIALS SHALL BE REMOVED FROM THE DRIVEWAY, PARKING LOT, AND SIDEWALK LIMITS. THE DRIVEWAY AND PARKING LOT BASE MATERIAL SHALL EXTEND ONE FOOT BEYOND THE EDGE OF PAVING.
3. BASE COURSE- THE BASE COURSE SHALL CONSIST OF TWELVE INCHES OF GRAVEL AND SIX INCHES OF CRUSHED GRAVEL. GRADATION CURVES COMPLYING WITH AASHTO T27 AND T11 SHALL BE PROVIDED FOR THE ENGINEERS REVIEW PRIOR TO CONSTRUCTION.
4. COMPACTION SHALL BE PERFORMED USING VIBRATORY ROLLERS AND WATER IN LIFTS OF NO GREATER THAN TWELVE INCHES. COMPACTION SHALL BE PERFORMED UNTIL THE REQUIRED DENSITY IS ACHIEVED. DENSITY SHALL BE DETERMINED BY AASHTO T232 METHOD AND SHALL NOT BE LESS THAN 95 PERCENT OF THE MAXIMUM DENSITY DETERMINED IN ACCORDANCE WITH AASHTO T99.
5. COMPACTION TESTING SHALL BE PERFORMED FOR EVERY LAYER OF MATERIAL PLACED AND FOR EVERY 1000 SQUARE FEET OF AREA.
6. PAVEMENT SHALL MEET APPLICABLE STATE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION REQUIREMENTS, IN ADDITION TO APPLICABLE TOWN ROAD STANDARDS.
7. PAVEMENT SHALL NOT BE INSTALLED WHEN THE OUTSIDE AIR TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT, NOR WHEN THE ROAD BASE TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT. PAVEMENT SHALL NOT BE INSTALLED WHEN THE SUBGRADE IS FROZEN OR THE GRADES ARE INCORRECT.
8. ALL REMAINING DISTURBED AREAS WITHIN THE RIGHT OF WAY SHALL BE FERTILIZED AND SEEDED IN ACCORDANCE WITH APPLICABLE STATE SPECIFICATIONS.
9. THE SEEDING OF SLOPES AND DITCHES SHALL REQUIRE THE USE OF EROSION CONTROL MATTING.
10. COST OF INITIAL INSPECTION AND TESTING SHALL BE PAID BY THE OWNER. SUBSEQUENT TESTING DUE TO FAILURE SHALL BE PAID BY THE CONTRACTOR.
11. ALL EARTHWORK MATERIALS SHALL BE OBTAINED FROM APPROVED SOURCES. THEY SHALL CONSIST OF SATISFACTORILY GRADED, FREE DRAINING MATERIAL, REASONABLY FREE FROM LOAM, SILT, CLAY AND ORGANIC MATERIAL. EARTHWORK MATERIALS SHALL MEET THE REQUIREMENTS OF THE FOLLOWING TABLES:

|                           |                                                               |                                              |
|---------------------------|---------------------------------------------------------------|----------------------------------------------|
| A. SAND BLANKET/BEDDING:  | SIEVE DESIGNATION                                             | PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES |
|                           | 2 INCHES                                                      | 100                                          |
|                           | 1-1/2 INCHES                                                  | 90 - 100                                     |
|                           | 3/4 INCHES                                                    | 70 - 100                                     |
|                           | NO. 4                                                         | 60 - 100                                     |
|                           | NO. 100                                                       | 0 - 20                                       |
|                           | NO. 200                                                       | 0 - 8                                        |
| B. 3/4\" CRUSHED STONE:   | SIEVE DESIGNATION                                             | PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES |
|                           | 1/2 INCH                                                      | 100                                          |
|                           | 3/8 INCH                                                      | 85 - 100                                     |
|                           | NO. 4                                                         | 10 - 30                                      |
|                           | NO. 8                                                         | 0 - 10                                       |
|                           | NO. 16                                                        | 0 - 5                                        |
| C. 1/2\" CRUSHED STONE:   | SIEVE DESIGNATION                                             | PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES |
|                           | 1 INCH                                                        | 100                                          |
|                           | 3/4 INCHES                                                    | 90 - 100                                     |
|                           | 3/8 INCHES                                                    | 20 - 55                                      |
|                           | NO. 4                                                         | 0 - 10                                       |
|                           | NO. 8                                                         | 0 - 5                                        |
| D. COARSE CRUSHED GRAVEL: | SIEVE DESIGNATION                                             | PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES |
|                           | NO. 4                                                         | 20 - 60                                      |
|                           | NO. 100                                                       | 0 - 12                                       |
|                           | NO. 200                                                       | 0 - 6                                        |
| E. FINE CRUSHED GRAVEL:   | SIEVE DESIGNATION                                             | PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES |
|                           | 2 INCHES                                                      | 100                                          |
|                           | 1-1/2 INCHES                                                  | 90 - 100                                     |
|                           | NO. 4                                                         | 30 - 60                                      |
|                           | NO. 10                                                        | 0 - 10                                       |
|                           | NO. 200                                                       | 0 - 6                                        |
| F. GRANULAR BACKFILL:     | SIEVE DESIGNATION                                             | PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES |
|                           | 3 INCHES                                                      | 100                                          |
|                           | NO. 4                                                         | 45 - 75                                      |
|                           | NO. 100                                                       | 0 - 12                                       |
|                           | NO. 200                                                       | 0 - 6                                        |
| G. DRAINAGE AGGREGATE:    | SIEVE DESIGNATION                                             | PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES |
|                           | 1 1/2 INCH                                                    | 100                                          |
|                           | 1 INCH                                                        | 95 - 100                                     |
|                           | 3/4 INCH                                                      | 25 - 60                                      |
|                           | NO. 4                                                         | 0 - 10                                       |
|                           | NO. 8                                                         | 0 - 5                                        |
| H. RIVERSTONE:            | HARD, ROUNDED STONE MATERIAL MEETING THE FOLLOWING GRADATION: | PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES |
|                           | SIEVE DESIGNATION                                             | 100                                          |
|                           | 2 INCH                                                        | 100                                          |
|                           | 1 1/2 INCH                                                    | 0 - 5                                        |

1. TYPE I STONE: THE LONGEST DIMENSION OF THE STONE SHALL VARY FROM 1 TO 12-INCHES, AND AT LEAST 50% OF THE VOLUME OF THE STONE IN PLACE SHALL HAVE A LEAST DIMENSION OF 4-INCHES.
2. TYPE II STONE: THE LONGEST DIMENSION OF THE STONE SHALL VARY FROM 2 TO 36-INCHES, AND AT LEAST 50% OF THE VOLUME OF STONE IN PLACE SHALL HAVE A MINIMUM DIMENSION OF 12-INCHES.

SMITH  
ALVAREZ  
SIENKIEWYCZ

ARCHITECTS

117 St. Paul Street  
3rd Floor  
Burlington, VT  
05401

P: 802-863-2227  
F: 802-863-0093

CONSULTANTS

CIVIL  
ENGINEERING VENTURES  
208 FLYNN AVE, SUITE 2A  
BURLINGTON, VT 05401  
P: 802-863-6223  
F: 802-863-6306

LANDSCAPE  
DISTINCTIVE LANDSCAPING  
211 GREENBUSH ROAD  
CHARLOTTE, VT 05445  
P: 802-425-2877  
F: 802-425-2797

STRUCTURAL  
ARTISAN ENGINEERING  
120 GRAHAM WAY, SUITE 124  
SHELBURNE, VT 05482  
P: 802-497-3531

MECHANICAL/ELECTRICAL

LN CONSULTING  
PO BOX 65178  
BURLINGTON, VT 05406-5178  
P: 802-455-1753  
F: 802-455-7628

SAS PROJECT NUMBER: 0917

PROJECT

HULA  
•  
BUILDING 32  
•  
32 LAKESIDE AVE  
BURLINGTON, VT

DATE: 05/05/2020  
SCALE: AS NOTED  
CHECKED: KW  
DRAWN BY: HKW

REVISIONS

Site &  
Stormwater  
Details

C2.1

